Title (en)

Plasma addressing electro-optical device

Title (de)

Plasma-adressierbare elektro-optische Anordnung

Title (fr)

Dispositif électro-optique adressable par plasma

Publication

EP 0554851 B1 19970416 (EN)

Application

EP 93101653 A 19930203

Priority

JP 4797092 A 19920204

Abstract (en)

[origin: EP0554851A1] A plasma addressing electro-optical device comprising a first substrate (4) having a plurality of first electrodes (D) arranged substantially in parallel to each other on a major surface thereof; a second substrate (7) opposed to the first substrate and having a plurality of second electrodes arranged substantially in parallel to each other on a major surface thereof; an electro-optical material layer (G) positioned between the first and second substrates; and a discharge chamber (2) formed between the electro-optical material layer and the second substrate and containing an ionizable gas. The second electrode has a plurality of barrier ribs (9) periodically disposed thereon, and the first and second electrodes are so arranged as to be spaced apart in the vertical and horizontal, respectively. And each of the barrier ribs is substantially the same in width as the second electrode. Since the width of each electrode is reducible to be equal to that of the barrier rib, both definition and fineness can be enhanced in the device. <IMAGE>

IPC 1-7

G02F 1/133; G09G 3/36; H01J 17/48

IPC 8 full level

G02F 1/1333 (2006.01); **G02F 1/133** (2006.01); **G09F 9/46** (2006.01); **G09G 3/36** (2006.01); **H01J 17/48** (2006.01)

CPC (source: EP KR US)

G02F 1/133 (2013.01 - KR); **G02F 1/13334** (2013.01 - EP US); **G09G 3/3648** (2013.01 - EP US); **G09G 3/3662** (2013.01 - EP US); **H01J 17/48** (2013.01 - EP US); H01J 2217/4025 (2013.01 - EP US)

Cited by

US5914562A; EP0742571A3; EP0652458A1; US5657035A; EP0651368A1; US5506599A

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